



Department of
Toxic Substances
Control

*Our mission is
to protect
California's people
and environment
from harmful effects
of toxic substances
by restoring
contaminated
properties,
identifying and
promoting safer
ingredients in
consumer products,
and ensuring
stewardship through
enforcement,
regulation and
pollution
prevention.*



State of California



California
Environmental
Protection Agency

Fact Sheet, September 2011

Closed Ponds and Basins Post-Closure Permit Available for Review for DuPont Site

Introduction

The Department of Toxic Substances Control (DTSC) invites you to review and comment on a draft Post-Closure Permit for the E. I. du Pont de Nemours and Company (DuPont) former facility located at 6000 Bridgehead Road, Oakley, California, 94561. The proposed Post-Closure Permit would require inspection and maintenance of soil covers for three ponds and three basins that historically were used to treat and store hazardous waste until the early 1980s. All three ponds and two of the basins were filled with clean soil following cleanup activities in the mid-1980s. The proposed Post-Closure Permit also includes requirements to backfill the remaining open basin with clean soil and to monitor the area's groundwater and surface water.

DTSC regulates the generation, storage, treatment, and disposal of hazardous waste in California. Permits are prepared after DTSC's detailed technical review and are to ensure that facilities operate in a manner that protects human health and the environment. In addition to the draft Post-Closure Permit, DTSC proposes to adopt a Negative Declaration under the California Environmental Quality Act (CEQA).

Site history and operation

The 378-acre DuPont Oakley Site is a former chemical manufacturing facility that produced chlorofluorocarbons (CFCs), fuel-additive anti-knock compounds (AKCs), and titanium dioxide (TiO₂). Production of CFCs began in 1956. AKC production was added in 1957 followed by production of TiO₂ in 1963. All three product lines were discontinued beginning with AKC manufacturing in 1981, followed by CFC manufacturing in 1995, and TiO₂ manufacturing in 1997. All TiO₂ and CFC blending

PUBLIC COMMENT PERIOD September 7 to October 21, 2011

We invite you to review and submit comments on the draft Post-Closure Permit for the closed ponds and basins at the DuPont Oakley Site. A 45-day comment period will begin on September 7, 2011, and run through October 21, 2011. Copies of the draft documents may be reviewed at the information repositories listed on page 4 of this fact sheet. Written and e-mailed comments must be postmarked or sent by October 21, 2011, and sent to:

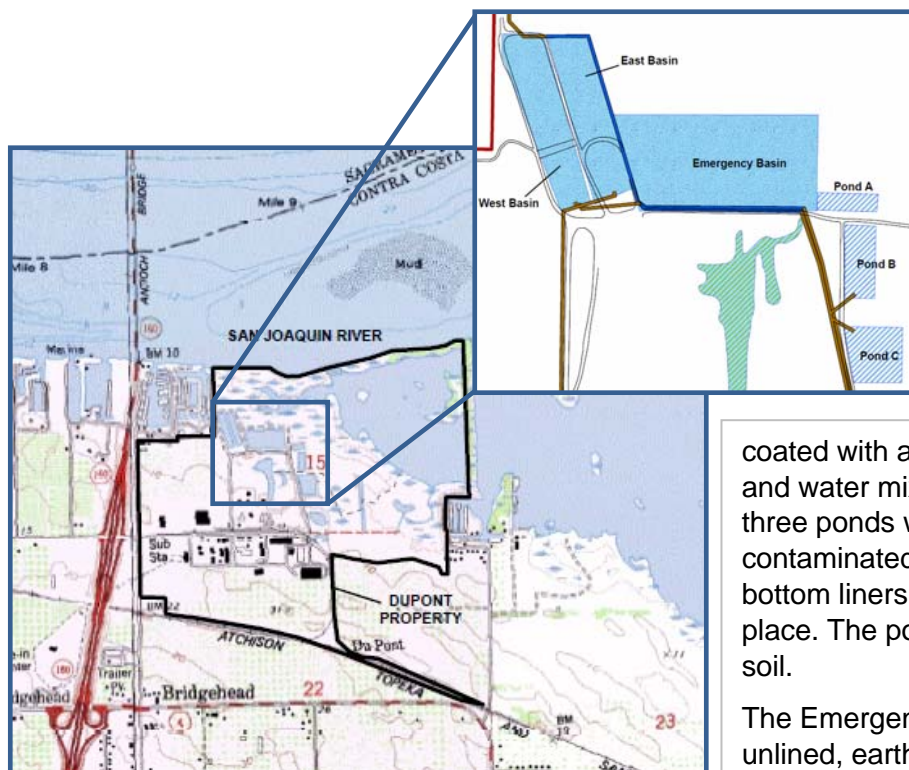
Peter Ruttan, P.G., Project Manager
Department of Toxic Substances Control
8800 Cal Center Drive
Sacramento, California 95826

Please e-mail comments to: PRuttan@dtsc.ca.gov

Public Meeting to be held on October 6, 2011, 6:30 P.M.
Administrative Office Building, Former DuPont Facility
6000 Bridgehead Road

Oakley, California 94561-2940. Please call (925) 757-5836 to make arrangements to attend the meeting.





The three ponds and three basins that are subject to post-closure care are grouped together in the northern part of the former plant site.

operations were shut down in November 1998. All manufacturing facilities at the site have since been demolished.

The DuPont Oakley Site is currently zoned for heavy industrial use and designated as a smart growth initiative “Jobs Opportunity Zone.” Likely future use could include a mix of industrial, commercial, and retail uses with much of the land next to the San Joaquin River remaining as undeveloped open space or wildlife habitat. Surrounding land uses include two marinas, Highway 160, electrical substations, a metal scrap yard, and vineyards. Site access is restricted by a perimeter fence and a guarded entrance.

Ponds and basins operation and closure

Three ponds (A, B, and C) and three basins (East, West, and Emergency) managed wastewater in support of the manufacturing. Five of these units were removed from service in accordance with a Department of Health Services (predecessor agency to DTSC) approved closure plans in 1983. The closure plan allowed for one basin (the West Basin) to remain open to store treated wastewater and storm water. The draft Post-Closure Permit includes a plan for backfilling the West Basin.

Ponds A, B, and C were lined with two layers of 6-mil polyethylene, overlain by concrete slabs connected by neoprene expansion joints and

coated with a layer of gunite (a cement, sand, and water mixture). Regulatory closure of the three ponds was accomplished by removing all contaminated materials down to the concrete bottom liners, which were cleaned and left in place. The ponds were then backfilled with clean soil.

The Emergency, East, and West Basins were unlined, earthen units. Regulatory closure of the basins involved removal of all sludge and underlying contaminated soil to meet the closure standard for lead. The Emergency and East Basins were then backfilled with clean soil. The West Basin was not filled after its original closure, but was allowed to remain in service for receipt of storm water and treated wastewater until 2001, when it was no longer needed.

Today, the five backfilled and closed ponds and basins have a cover of native grasses. Some ancillary structures that still remain will be removed as proposed in the plan to backfill the West Basin.

West Basin Backfilling

A plan to fill the West Basin was submitted with the Post-Closure Permit application. In 2005, under DTSC oversight, DuPont collected and analyzed surface and subsurface soil samples in the West Basin to determine if further cleanup of this unit would be necessary before backfilling. The sampling results did not reveal any contaminant conditions requiring cleanup. Based on the results of this investigation, DuPont has proposed and DTSC agrees that the basin be backfilled, graded, and seeded as a condition of the Post-Closure Permit.

What does the Post-Closure Permit propose?

The proposed Post-Closure Permit would require continued regular inspection and maintenance of the soil cover for the Ponds and Basins and includes special conditions requiring backfilling

of the West Basin with clean soil as well as monitoring of the area's groundwater and surface water. Regular inspections and maintenance have been ongoing since the ponds and two of the basins were originally removed from service in the 1980s. After backfilling of the West Basin with clean soil is complete, the entire area must continue to be inspected and maintained to ensure its integrity. To date, no erosion or damage to filled areas and berms has been noted. Any potential groundwater impacts resulting from prior use of the ponds and basins will be addressed through the sitewide groundwater remedy. Site security will be maintained to prevent unauthorized access to the site. An emergency preparedness plan is in place, and DuPont has submitted financial assurance for the various elements of post-closure care based on the post-closure cost estimate submitted with the permit application.



Workers sample the West Basin in preparation for developing a draft final closure plan.

California Environmental Quality Act

To comply with CEQA, DTSC prepared an Initial Study to evaluate the environmental impacts of the proposed post-closure activities. Based on the analysis in the Initial Study, DTSC finds that the project would not have significant adverse impacts on public health and the environment and therefore proposes to adopt a Negative Declaration for the proposed project. Comments on both documents will be accepted during the public comment period for this draft Post-Closure Permit.

You can participate in our permitting decisions

DTSC encourages public participation in the decision-making process and invites the public to review and comment on the draft Post-Closure Permit and draft Negative Declaration. Before making a final determination, DTSC will review and respond in writing to all public comments. A Response to Comments document will be sent to all those who submit public comments and to those who request a copy. A copy of the Notice of Decision and the Response to Comments will also be placed in the information repositories.

Cut out and mail ✂

Are you on DTSC's Mailing List?

If you would like to be on the mailing list, please fill out the information below and mail back to Nathan Schumacher, DTSC, 8800 Cal Center Drive, Sacramento, CA 95826. You may also e-mail him at NSchumac@dtsc.ca.gov.

☐ Please take me off the mailing list.

Name:

Address:

City/State/Zip:

Phone:

Fax:

E-Mail:

Note: While the mailing list is solely for DTSC use, the list is considered a public record.

E. I. du Pont de Nemours and Company
6000 Bridgehead Road
Oakley, California 94561-2940

FOR MORE INFORMATION

If you have questions, please contact:

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For media inquiries, please call:
Sandra Friedman
DTSC Public Information Officer
(714) 484-5383
E-mail at SFriedma@dtsc.ca.gov

ANUNCIO

Si prefiere hablar con alguien en español acerca de DuPont, favor de llamar a Jesus Cruz de el Departamento de Control de Substancias Tóxicas. El número de teléfono es (916) 255-3315.

INFORMATION REPOSITORIES

The draft Post Closure Permit and supporting documents are available for review at:

The DTSC web site--

<http://www.envirostor.dtsc.ca.gov/public/>

The Oakley Public Library
1050 Neroly Road
Oakley California 94561
(925) 625-2400

DTSC File Room
8800 Cal Center Drive
Sacramento CA 95826
(916) 255-3758

NOTICE TO HEARING IMPAIRED INDIVIDUALS

TDD users can obtain information about the DuPont Oakley site by using the California State Relay Service (888) 877-5378 to reach Nathan Schumacher at (916) 255-3650.